

Bacteria TMDL Development for the Blackwater Swamp & Tributaries

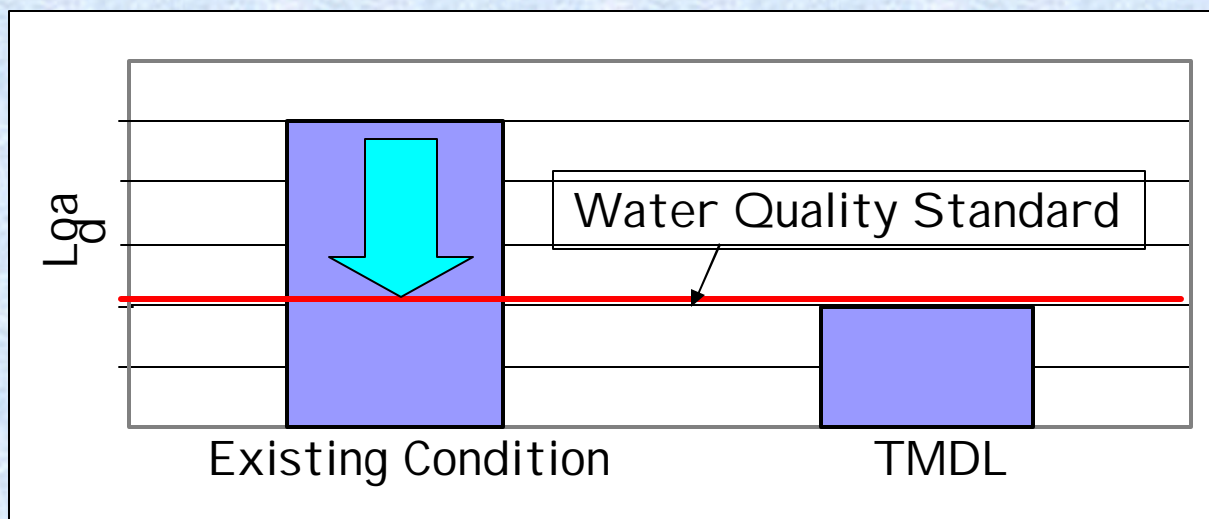
***Second Public Meetings
March 3, 2010***



What is a TMDL?

TMDL = Total Maximum Daily Load = maximum amount of a pollutant that can exist in a waterbody without violating water quality standards (WQS)

WQS = numeric or narrative limits on pollutants that ensure the protection of human health and of aquatic life

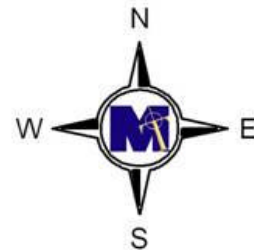


Reducing existing bacteria load to the TMDL end point load is expected to restore water quality.

Why are TMDL studies necessary?

- **TMDLs must be developed for water bodies that do not meet water quality standards for their designated uses (Clean Water Act 1972). Uses are:**
 - o Primary Contact (Swimming)
 - o Public Water Supply
 - o Aquatic Life
 - o Fish Consumption
 - o Shellfish Consumption
 - o Wildlife
- **Waters are monitored by DEQ – those not meeting water quality standards are placed on a “dirty waters” list (303d list) published every 2 years as part of the “305b/303d Integrated Report”.**
- **As of 2008 ~1100 TMDLs are due in Virginia by 2020**

All of the below segments
are listed as impaired on
the DEQ's 303d list



Petersburg

Prince George County
Sussex County

Surry County

- Streams
- Impairments
 - Blackwater River
 - Blackwater Swamp
 - Coppahaunk Swamp, UT
 - Otterdam Swamp
 - Second Swamp
 - Warwick Swamp
- County Boundaries
- Watershed Boundary

5 0 5 10 Miles

Next Steps...

- **30 Day Public Comment Period**

*****Ends April 2, 2010*****

- Send comments with the name, address, and telephone number of the commenter.

SEND COMMENTS TO: DEQ - Piedmont Regional Office
Attn: Margaret Smigo
4949-A Cox Road
Glen Allen, VA 23060
Margaret.Smigo@deq.virginia.gov

- DEQ will respond to comments and incorporate them into the final draft report
- TMDL Final Draft Report is submitted to EPA and State Water Control Board for approval
- TMDL is eligible for Implementation Planning
- Implementation is done and sampling continues to monitor progress

How can “I” help?

PARTICIPATE IN THE DEVELOPMENT OF TMDL AND IMPLEMENTATION PLANNING!

- Attend TMDL development meetings & implementation planning meetings
- Review draft report and contact us during the 30-day comment period
- Minimize runoff from property
 - install pervious surfaces vs. impervious surfaces
 - Rainbarrels, raingardens, etc.
 - Maintain riparian (stream-side) buffers
- Don't feed wildlife!!! Educate your neighbors!
- Pick up after pets
- Maintain septic systems (5-yr pump-out)

Questions???

Presentations available at:

<http://www.deq.virginia.gov/tmdl/mtgppt.html>

Draft TMDL Report available at:

<http://www.deq.virginia.gov/TMDLDataSearch/DraftReports.jsp>